



(REFERENCE COPY - Not for submission)

Digital Class A Engineering STA Application

File Number: **BSTA-20130111AEA** | Submit Date: **01/11/2013** | Call Sign: **WRDM-CD** | Facility ID: **10153** | FRN:
0019509470 | State: **Connecticut** | City: **HARTFORD**
Service: **DCA** | Purpose: **Engineering STA** | Status: **Pending** | Status Date: **01/14/2013** | Filing Status: **InActive**

General Information

Section	Question	Response
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Fees, Waivers, and Exemptions

Section	Question	Response
Fees	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
Waivers	Does this filing request a waiver of the Commission's rule(s)?	
	Total number of rule sections involved in this waiver request:	

**Applicant
Information**

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
ZGS HARTFORD, INC. Applicant Doing Business As: ZGS HARTFORD, INC.	2000 NORTH 14TH STREET SUITE 400 ARLINGTON, VA 22201 United States	+1 (703) 528- 5656		Other

Authorization Holder Name

Check box if the Authorization Holder name is being updated because of the sale (or transfer of control) of the Authorization(s) to another party and for which proper Commission approval has not been received or proper notification provided.

**Contact
Representatives
(2)**

Contact Name	Address	Phone	Email	Contact Type
DANE E. ERICKSEN, P. E. <i>CONSULTING ENGINEER</i>	HAMMETT & EDISON, INC. 470 THIRD STREET WEST SONOMA, CA 95476 United States	+1 (707) 996- 5200	DERICKSEN@H-E.COM	Technical Representative
DAVID M. SILVERMAN, ESQ. DAVIS WRIGHT TREMAINE LLP	1919 PENNSYLVANIA AVE., NW SUITE 800 WASHINGTON, DC 20006-3401 United States	+1 (202) 973- 4200	DAVIDSILVERMAN@DWT. COM	Legal Representative

**Channel and
Facility
Information**

Section	Question	Response
Facility ID	10153	
State	Connecticut	
City	HARTFORD	
DCA Channel	19	

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1226764
Coordinates (NAD83)	Latitude	41° 47' 48.4" N+
	Longitude	072° 47' 48.5" W-
	Structure Type	
	Overall Structure Height	105.7 meters
	Support Structure Height	
	Ground Elevation (AMSL)	210.9 meters
Antenna Data	Height of Radiation Center Above Ground Level	94 meters
	Height of Radiation Center Above Mean Sea Level	304.9 meters
	Effective Radiated Power	15 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	111504
Antenna Manufacturer and Model	Manufacturer:	SCA
	Model	4DR-8S
	Rotation	110 degrees
	Electrical Beam Tilt	0.75
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	
Elevation Radiation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	No
	Uploaded file for elevation antenna (or radiation) pattern data	
	Out-of-Channel Emission Mask:	Stringent

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	1	90	0.03	180	0.11	270	0.07
10	0.98	100	0.03	190	0.1	280	0.115
20	0.917	110	0.02	200	0.065	290	0.21
30	0.813	120	0.02	210	0.03	300	0.35
40	0.68	130	0.02	220	0.02	310	0.51
50	0.53	140	0.03	230	0.02	320	0.68
60	0.35	150	0.04	240	0.03	330	0.81
70	0.14	160	0.07	250	0.04	340	0.915
80	0.06	170	0.105	260	0.055	350	0.98

Additional Azimuths

Degree	V _A
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Certification

Section	Question	Response
<p>General Certification Statements</p>	<p>The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by authorization or otherwise, and requests an Authorization in accordance with this application (See Section 304 of the Communications Act of 1934, as amended.).</p>	
	<p>The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to §5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. §862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under §1.2002(c) of the rules, 47 CFR . See §1.2002(b) of the rules, 47 CFR §1.2002(b), for the definition of "party to the application" as used in this certification §1.2002 (c). The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.</p>	
<p>Authorized Party to Sign</p>	<p>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</p> <p>Upon grant of this application, the Authorization Holder may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in automatic cancellation of the Authorization. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of Authorization requested in this application.</p> <p>WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. Code, Title 18, §1001) AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, §312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, §503).</p>	
	<p>I certify that this application includes all required and relevant attachments.</p>	
	<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>EDUARDO A. ZAVALA</p> <p>01/11/2013</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>1536803_1082540.txt</u>	Applicant	All Purpose	REASON FOR STA
<u>1536803_10926162.pdf</u>	Applicant	All Purpose	Antenna patterns and orientations
<u>1536803_10926165.pdf</u>	Applicant	All Purpose	Coverage contours